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LIGHT on the LIGHT QUESTION





Light on the Light Question



The *Almond* Flexible Arm

T. R. Almond Mfg. Co.
Ashburnham, Mass.

1909



PHOTOGRAPH TAKEN IN THE E. P. REED SHOE FACTORY, ROCHESTER, N.Y., SHOWING APPLICATION OF THE

Almond Flexible Arm

FOR PROVIDING LIGHT. THERE ARE OVER 500 OF THEM USED IN THE CUTTING AND FITTING DEPARTMENTS.

Light on the Light Question

IF your factory were pitch dark, your employees could not work at all. Consequently, if your factory is partly dark, your employees are only partly efficient.

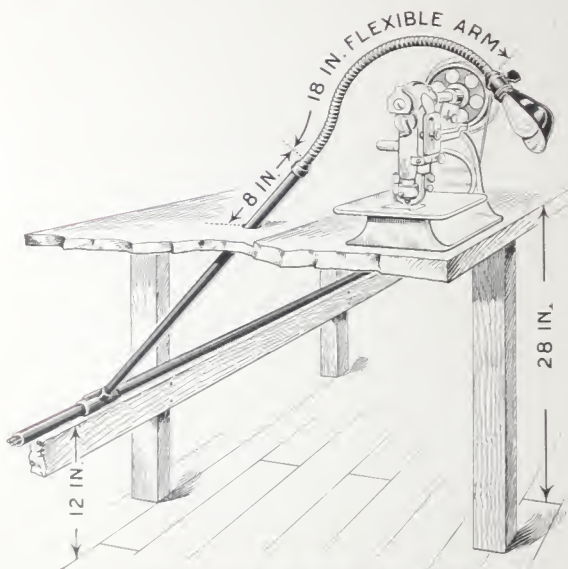
A factory that is not as well lighted as it might be is partly dark.

And no factory is as well lighted as it might be if every worker does not have all the light he needs, just where he wants it, and is unable to instantly and completely control it.

Look around your factory, please, and see whether its lighting meets this test. If it does not, remember these facts:

No matter what you manufacture, the cost of labor is a vital item. Anything which increases

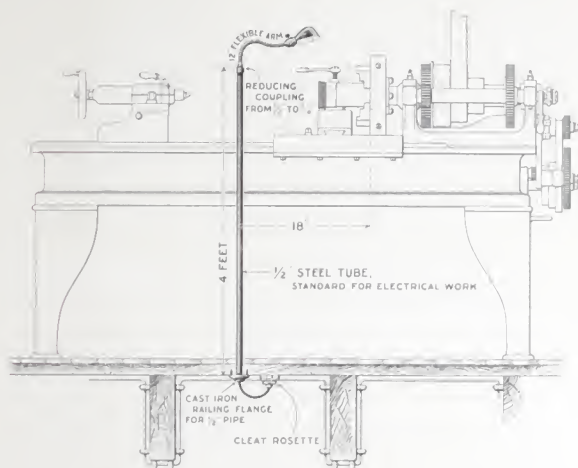
the cost of labor, or decreases its volume or quality, cuts into your profits, and cuts deep.



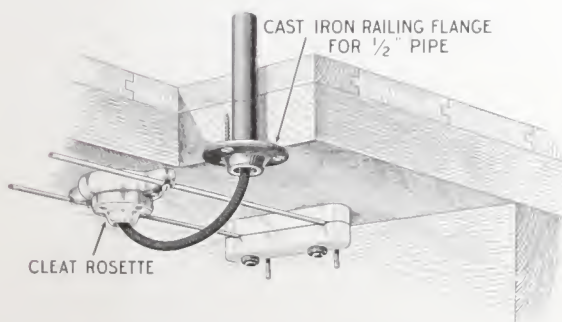
PERFORATING MACHINE

The workman who cannot see what he is doing, perfectly and continuously, does less than he might do, and does not do it so well. He works more slowly than he

T. R. ALMOND MANUFACTURING CO.



APPLICATION TO LATHE



SHOWING DETAILS OF WIRING IN ABOVE DRAWING

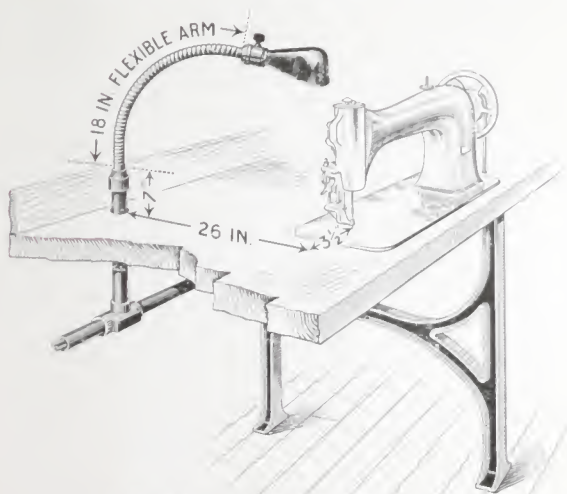
should. The quality of his product is inferior or uneven. He makes mistakes. He suffers from eye-strain and headaches, thus still further impairing his efficiency. These things all cost you money—a lot of money.

And remember that a factory lighted by droplights is not well lighted, as a moment's observation will prove. Most of the light is wasted, and none of it is concentrated at the points where it is needed. Besides, hanging cords are likely to become broken and cause short circuits and danger of fires. They are always bumping around in the way, and give the factory a very unsightly appearance.

They are very expensive and wasteful, too, as we will explain a little further on.

By the use of Almond Arms you can give every employee who

has to use his eyes a flexible, individual lamp that will throw all the light on his work and shade his eyes. He can put it where he wants it



SEWING MACHINE

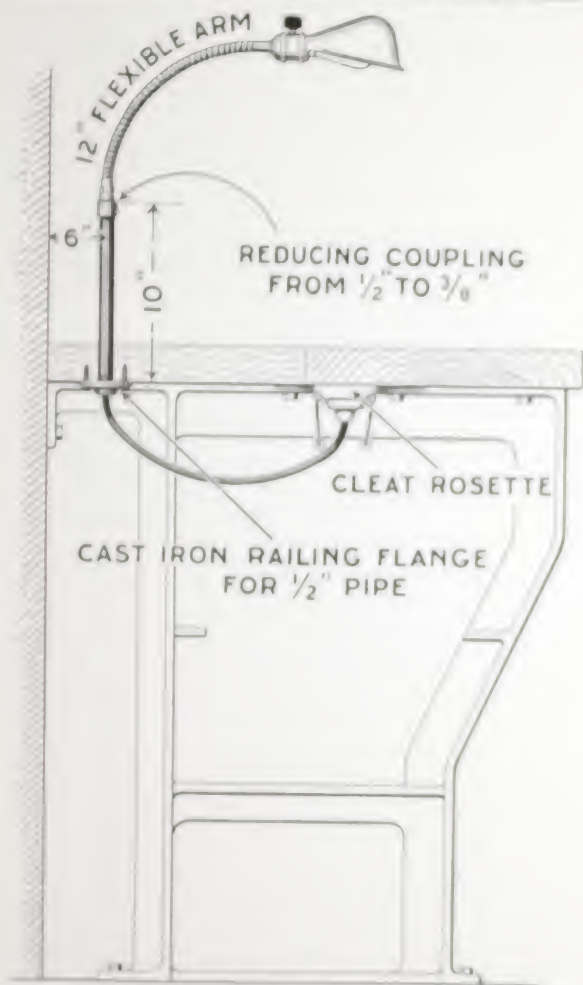
with one hand in an instant, and it will stay put.

All the wiring, as you will see by the accompanying illustrations, is out of sight, under the floors and benches. There are no exposed

cords to become broken and make trouble. Flexible Arms, or pipes, amply protect the wires, which is a strong point with the insurance inspector.

The Almond Arm is made of two coils of wire, one inside the other. The inner coil is a spring tempered wire. The material and construction are such that the Arm is not affected by frequent bending. Almond Arms in constant use for years still retain their remarkable adaptability, holding without wobbling or "limbering" any position in which they may be placed. When the light is not in use, though, it is best to leave it in a straight position: any spring left for months in a bent condition will of course develop a "set."

The pictures and diagrams in this booklet will prove useful in



APPLICATION TO MACHINE SHOP BENCH

THE ABOVE ILLUSTRATION A 12" FLEXIBLE ARM IS SHOWN USED OVER THE 10" BENCH

conveying a clear idea of the methods of installation and wiring of the Arm, its use on lathe and bench, its "goose-neck" elasticity and its con-



FLEXIBLE ARM FOR PORTABLE LAMPS

$\frac{3}{8}$ " PIPE THREAD EACH END
HAS $\frac{1}{4}$ " HOLE ALL THE WAY THROUGH



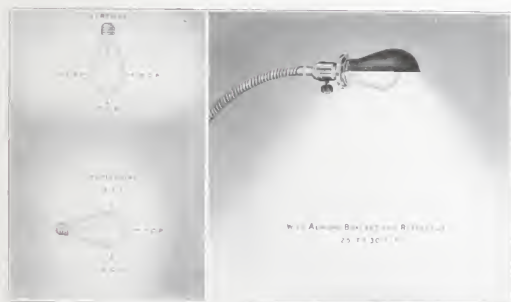
FLEXIBLE ARM FOR FACTORY LIGHTING

$\frac{3}{8}$ " PIPE THREAD EACH END
HAS $\frac{3}{8}$ " HOLE ALL THE WAY THROUGH

centration and economy of light. The cut of a corner in the Reed shoe factory is a fine illustration of the Almond Arm put to its most practical use. Note the absence of overhead or other exposed wires, and the fact that there is a lamp for every worker, so placed that he can call it into immediate requisition.

You will be the gainer in many ways if you install Almond Flexible

Arms in your factory. You will be practising real and not false economy. The ordinary 16 candle-power lamp, hung over the workman, throws out its full capacity

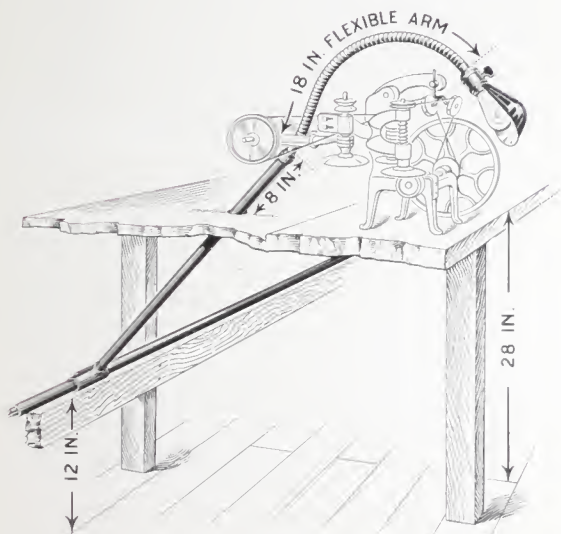


horizontally, but only from 4 to 7 candle-power downward, where the light is wanted. You pay for a very large amount of illumination which goes to waste. When the lamp is turned to a horizontal position, as in use with an Almond Arm, you get the full capacity of the lamp thrown directly on the work. The fact

that you get all the light where you want it, and the lamp is brought close to the work, makes an 8 candle-power lamp more effective and satisfactory than a 16 candle-power lamp would otherwise be; gives plenty of light without glare or disturbing shadow. Keep in mind the economy of this saving.

An individual, flexible lamp, adjustable either up, down or side-wise to the work and staying where it is put, enables every worker to see just what he is doing all the time without eye-strain, neck-stretching or twisting about. It enables him to do his best work all the time, and to do it quickly. It keeps the output of the individual and the factory at the maximum notch. It reduces errors to the minimum—75 per cent of mechanical errors in the average factory are due to bad

light. It saves time, labor, material and money. It helps the workman to be a better workman for a longer



SKIVING MACHINE

period than would be possible otherwise, as it saves his eyes, his nerves and his health.

Almond Flexible Arms are easily installed and affixed to lathe, planer

or other machine tool, or to bench, wall or post. They are sold and installed ready for use by electrical contractors generally, probably by yours.

The first cost is a little more than that of the drop cord system, but time more than makes that even.

In the average machine shop probably one-third of the droplights have to be renewed annually, while the Almond Flexible Arm is a permanent fixture and lasts indefinitely.

In its durability, its perfection of adjustment and adaptability it stands alone.

Read what others say of it in the following extracts from testimonial letters—a few out of many.

Please remember, too, that for obvious reasons you need the Almond Arm in your office and in your home.

Commendations from those who Know

"We have been using this arm for over 12 years and have never had one returned on account of same having lost its flexibility."

"We have sold those goods for the past 17 years to thousands of users and we have never had a complaint."

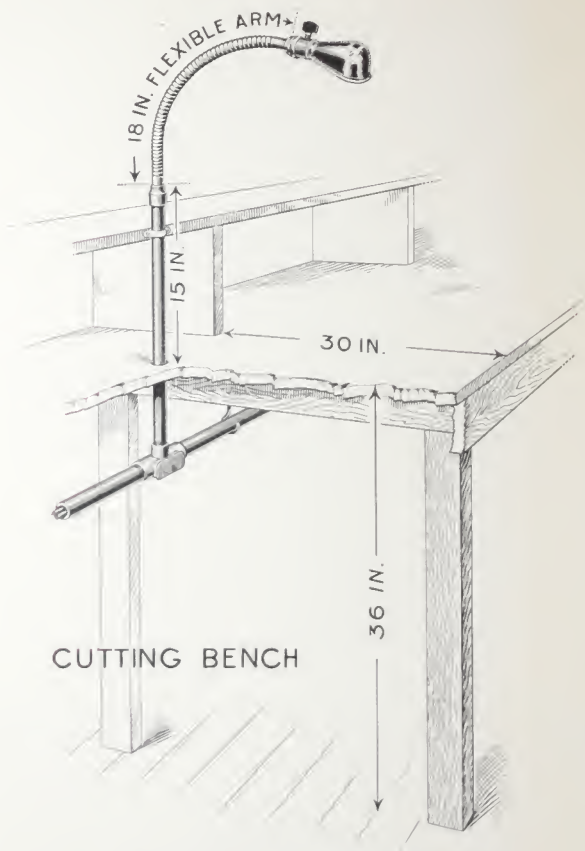
"During a service of over nine years there have been sold and installed several thousand Almond Flexible Arms and we have never yet received a single complaint of any arms losing their flexibility in the least."

"We believe that you have the best flexible stem on the market. We have handled others, but had trouble with them. Have always found yours to be perfectly satisfactory in every respect."

"We have used the Almond Flexible ever since we have been in business and have never had a single complaint."

"The writer has handled the Almond Arms for the past 18 years, and never had a dissatisfied customer. We have, however, had considerable trouble with other makes, and eventually had to throw away what stock we had on hand."

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